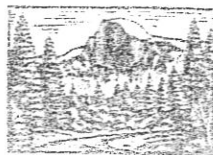


Meldan Environmental Services

Permitting, Planning, Design, Sampling, Monitoring

Melanie and Dan Arima



755 Raintree Drive
Riverton, Wyoming 82501
(307) 856-1183 Home & fax
(307) 851-6125 Dan's Cell
(307) 851-1774 Melanie's Cell

darima@bresnan.net

Mr. Nick Meeker
Air Quality Engineer
Wyoming Department of Environmental Quality
Air Quality Division
Herschler Building
122 West 25th Street
Cheyenne, WY 82002

Re: AQD Facility Permit for Goton Pit 1237ET

Dear Mr. Meeker:

Big Horn Redi-mix (BHRM) is in the process of amending its LQD Permit 1237ET into a Limited Mining Operations Permit to mine the remaining 4 acres within their property boundary. The original ET permit was acquired in 2003, prior to the requirement of an AQD permit for the mine. Since the LMO does require the AQD permit, BHRM is submitting this application. The crushing equipment that will be moved on-site does have a mobile AQD permit.

Please find included three copies (1 original and 2 copies) of the Permit Application forms for Big Horn Redi-mix's Goton Pit located in the NENE Section 29, T52N, R93W in Big Horn County, Wyoming. Included also is an excerpt from Greybull South USGS Quadrangle sheet, illustrating the location of the mine site, a Process Flow Diagram of the crushing operation, a Land Use Document signed by the Chairman of the Big Horn County Commissioners and a project description of the operation.

Please contact me if you have any questions or concerns with the submittal at the following contact information:

Meldan Environmental Services
755 Raintree Drive
Riverton, WY 82501

Phone and Fax: (307) 856- 1183
Cell – (307) 851-1330

darima@bresnan.net

Thank you.

Sincerely,

Dan Arima
Meldan Environmental Services

cc: Cindy DeVries – Big Horn Redi-mix

Reviewer

RJJ

cc:

Modeler

D.E.

File

A0000296

IMP FID

26466



Department of Environmental Quality Air Quality Division

Permit Application Form

Is this a revision to an existing application?

Yes _____

No ☒ X

Previous Application #:



Date of Application: 11/14/2014

COMPANY INFORMATION:

Company Name: Big Horn Redi-mix
 Address: P.O. Box 48
 City: Thermopolis State: Wyoming Zip Code: 82443
 Country: USA Phone Number: (307) 864-3397

FACILITY INFORMATION:

Facility Name: Goton Pit
 New Facility or Existing Facility: ☐ New
 Facility Description: Sand and Gravel Pit
 Facility Class: Minor Operating Status: Operating
 Facility Type: Small Mine (Non-Coal)

For Oil & Gas Production Sites ONLY:

First Date of Production (FDOP)/Date of Modification:

Does production at this facility contain H2S?*

*If yes, contact the Division.

API Number(s):

NAICS Code: 21232 Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying

FACILITY LOCATION:

*Enter the facility location in either the latitude/longitude area or section/township/range area. Both are not required.

Physical Address:

City: Zip Code:
 State: WY County:

OR

Latitude: 44.45639 Longitude: -108.05169 County: Big Horn
 Quarter Quarter: NENE Quarter:
 Section: 29 Township: 52N Range: 93W

For longitude and latitude, use NAD 83/WGS84 datum and 5 digits after the decimal (i.e. 41.12345, -107.56789)

CONTACT INFORMATION:

*Note that an Environmental AND NSR Permitting Contact is required for your application to be deemed complete by the agency.

Title: First Name: Cindy
 Last Name: DeVries
 Company Name: Big Horn Redi-mix
 Job Title: Corporate Secretary
 Address: P.O. Box 48
 City: Thermopolis State: Wyoming
 Zip Code: 82443
 Primary Phone No.: (307) 864-3397 E-mail: devries@rtconnect.net
 Mobile Phone No.: Fax No.: (307) 864-3609
 Contact Type: Responsible Official Start Date: Jan-15

Additional Contact Type (if needed):

Title: First Name: Last Name:

Company Name:

Job Title:

Address:

City: State:

Zip Code:

Primary Phone No.: E-mail:

Mobile Phone No.: Fax No.:

Contact Type: Start Date:

FACILITY APPLICATION INFORMATION:**General Info:**

Has the facility changed location or is it a new/ greenfield facility?

Has a Land Use Planning document been included in this application?

Is the facility located in a sage grouse core area?

If the facility is in a sage grouse core area, what is the WER number?

** For questions about sage grouse core area, contact WY Game & Fish Department.*

Federal Rules Applicability - Facility Level:Prevention of Significant Deterioration (PSD): Non-Attainment New Source Review: **Modeling Section:**Has the Air Quality Division been contacted to determine if modeling is required? Is a modeling analysis part of this application? Is the proposed project subject to Prevention of Significant Deterioration (PSD) requirements? Has the Air Quality Division been notified to schedule a pre-application meeting? Has a modeling protocol been submitted to and approved by the Air Quality Division? Has the Air Quality Division received a Q/D analysis to submit to the respective FLMs to determine the need for an AQRV analysis? **Required Attachments:**

Facility Map ☒

Process Flow Diagram ☒

Modeling Analysis (if applicable) ☐

Land Use Planning Document ☒

Detailed Project Description ☒

Emissions Calculations ☐

I, Cynthia S. DeVries Corporate Secretary
 Responsible Official (Printed Name) Title

an Official Representative of the Company, state that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further certify that the operational information provided and emission rates listed on this application reflect the anticipated emissions due to the operation of this facility. The facility will operate in compliance with all applicable Wyoming Air Quality Standards and Regulations.

Signature: Cynthia S. DeVries

(ink)

Date: 11/12/2014

MINE/QUARRY NAME: <u>Cotton Pit</u>	
New Mine/Quarry: <input type="checkbox"/>	Modification to existing Mine/Quarry: <input checked="" type="checkbox"/>
Size of Mine/Quarry: <u>14</u> Acres	
Legal Description: <u>NE 1/4 NE 1/4</u> Section <u>29</u> T <u>52</u> N R <u>93</u> W	
Latitude: <u>44.4566</u>	Longitude: <u>-108.0515</u>
County: <u>Big Horn</u>	
Number of residences within 1 mile radius: <u>19</u>	Distance to nearest residence: <u>350 ft.</u>
TYPE OF MATERIAL MINED: (This form is Not for Coal Mines) <u>Sand and Gravel</u>	
Total Material Available: <u>50,000</u> tons	Max. Annual Production: <u>50,000</u> tons/yr
Max. Hourly Production: <u>200</u> tons/hr	Avg. Hourly Production: <u>150</u> tons/hr
Max. Hours of Operation: <u>8</u> hours/day	<u>3</u> days/week <u>14</u> weeks/year
EQUIPMENT/OPERATION PLANNED AT THIS SITE: (mark all that apply)	Crushing* <input checked="" type="checkbox"/> Screening* <input checked="" type="checkbox"/> Hot Mix Asphalt Plant* <input type="checkbox"/> Stockpiling* <input checked="" type="checkbox"/> Blasting* <input type="checkbox"/> Concrete Batch Plant* <input type="checkbox"/>
DISTURBED/OPEN ACREAGE	
Acreage Subject to Wind Erosion: <u>13.8</u> acres	
TOPSOIL	
Tons/day removed: <u>3,000</u>	tons/year removed: <u>12,000</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
TOPSOIL STOCKPILES	
No. of Topsoil Stockpiles: <u>1</u>	Size of Piles: <u>16,140</u> tons or yd ³ (circle one)
Topsoil Stockpile Fugitive Control Method and Frequency: <u>temporary Seeding</u>	
OVERBURDEN	
Tons/day removed: <u>4,000</u>	tons/year removed: <u>16,550</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
OVERBURDEN STOCKPILES	
No. of Overburden Stockpiles: <u>1</u>	Size of Piles: <u>9,680</u> tons or yd ³ (circle one)
Overburden Stockpile Fugitive Control Method and Frequency: <u>temporary Seeding</u>	
MINED MATERIAL	
Tons/day Removed: <u>1,200</u>	tons/year removed: <u>50,000</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
MINED MATERIAL STOCKPILES	
No. of Mined Material Stockpiles: <u>2</u>	Size of Piles: <u>1,500</u> tons or yd ³ (circle one)
Mined Material Stockpile Fugitive Control Method and Frequency: <u>Water as-needed</u>	
BLASTING	
Number of Blasts per year: <u>0</u>	
Type of Blasting Agent Used: <u>NA</u>	Amount of Blasting Agent Used: <u>NA</u> tons/yr
Horizontal Area of Blast: <u>NA</u> ft ²	
Operational Practices used for Emission Control: <u>NA</u>	

ACCESS & HAUL ROADS *

Maximum Distance Material will be Hauled until Reaching Pavement: 0.09 miles
 Fugitive Particulate Control Method: water truck
 Type of Dust Suppressant Used: water
 Control Application Frequency: As-needed

* The application MUST include a map identifying all haul roads, including county roads, other unpaved roads, and the first paved road associated with the mining activities.

HAUL TRUCKS (Trucks that Transport Product from the Quarry)

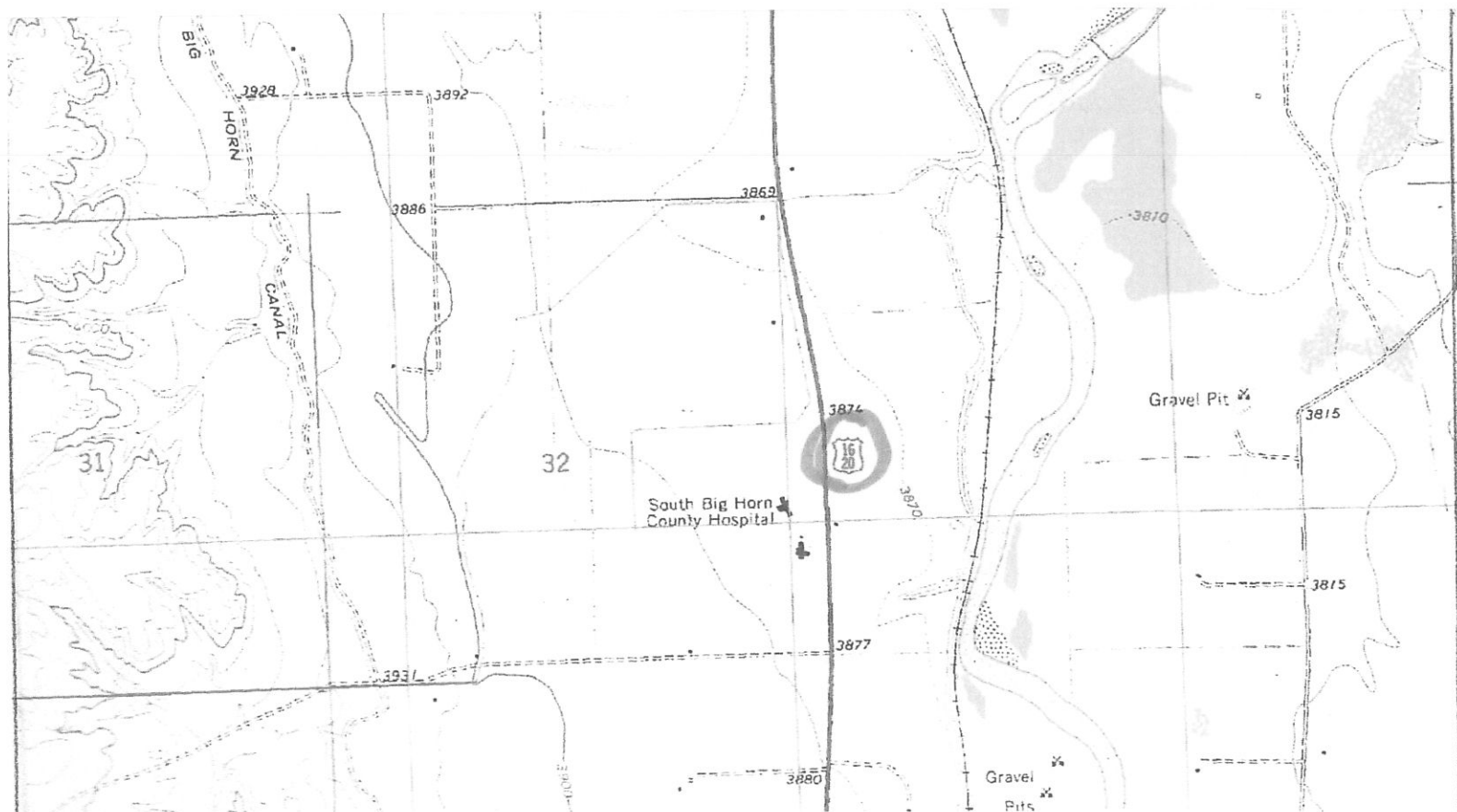
Truck Type 1 (Description): Belly-dumps
 No of Trucks: 2 Capacity (tons): 24 Empty Weight (lbs): 35,000

Truck Type 2 (Description): End-dumps
 No of Trucks: 2 Capacity (tons): 16 Empty Weight (lbs): 23,000

Truck Type 3 (Description): _____
 No of Trucks: _____ Capacity (tons): _____ Empty Weight (lbs): _____

Truck Type 4 (Description): _____
 No of Trucks: _____ Capacity (tons): _____ Empty Weight (lbs): _____

Note: The information above does not support data entry.
 You will need to fill out a coversheet and fugitive release point sheet to complete the application.

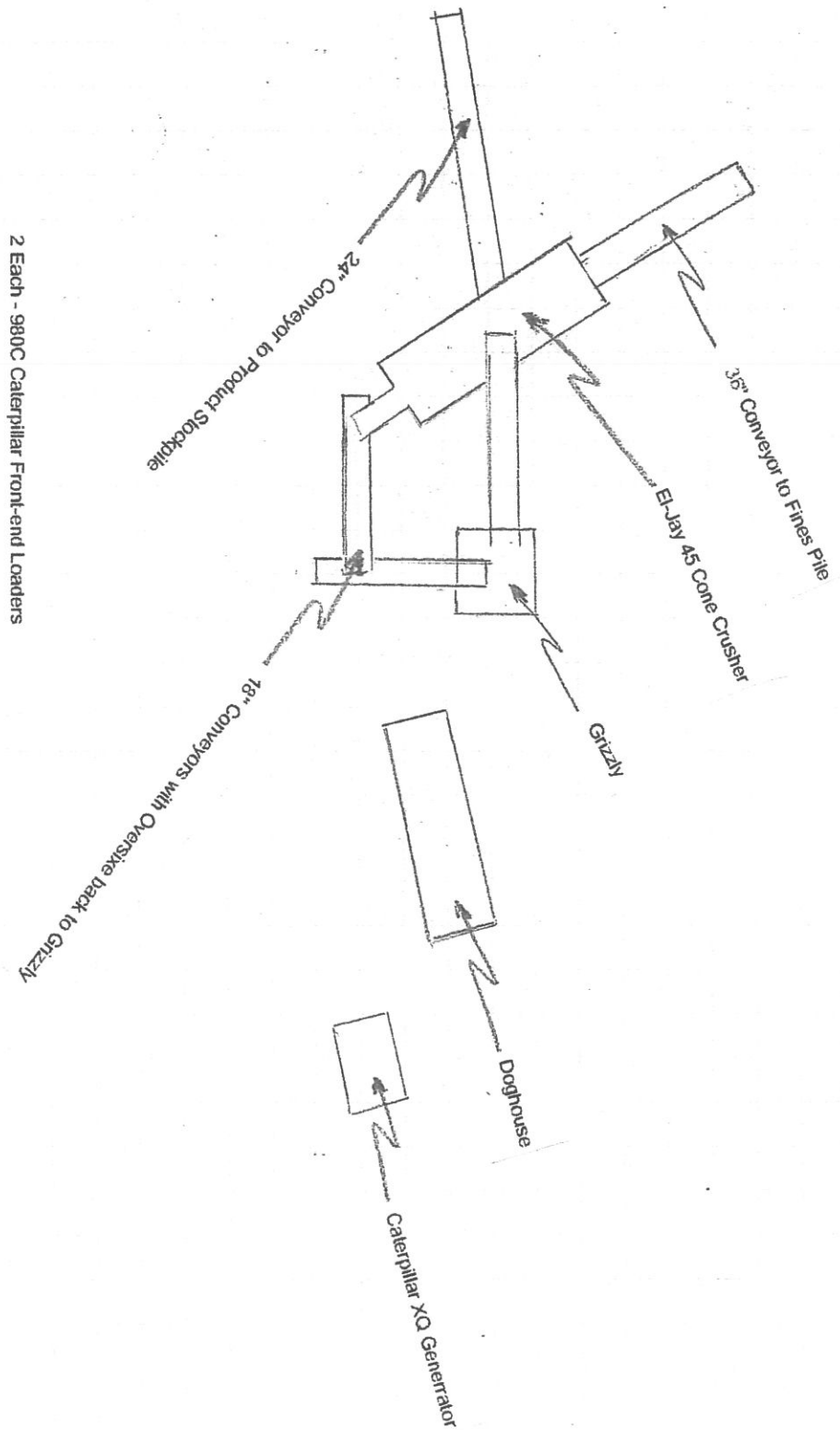


Big Horn Redi-Mix
Proposed Limited Mining Operation Application
Goton Pit

Section 29, T.52N., R.93W.
Big Horn County, Wyoming

Scale: 1"=2000'

Date: 10/27/2014



**Big Horn Redi-mix
Gotton Pit Application**

Crusher Layout

Section 29, T52N, R93W
Big Horn County

Not to Scale

Nov. 11, 2014



Big Horn County

STATE OF WYOMING

Office of The County Commissioners

P.O. Box 31
Basin WY
82410

COUNTY COMMISSIONERS

Jerold S Ewen, Chairman

Keith M Grant

John G Hyde

Lori Smallwood, County Clerk

Becky Lindsey, Treasurer

Gina Anderson, Assessor

Michelle M Burns, Prosecuting Attorney

Dori Noyes, Clerk of District Court

Kenneth Blackburn, Sheriff

Delmar Atwood, Coroner

Phone: 307-568-2357 Fax 307-568-9375

www.bighorncountyny.gov

November 18, 2014

Dan Arima
Meldan Environmental Services
755 Raintree Drive
Riverton, WY 82501

RE: Land Use Document for Big Horn Redi-Mix Proposed Mining Activities

Dear Mr. Arima,

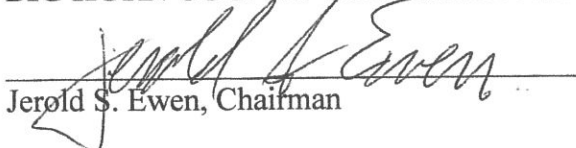
You requested a "Land Use Document" for a parcel located in the northeast quarter of the northeast quarter of Section 29 of Township 52N, Range 93W in Big Horn County, Wyoming. The parcel identification number is 52932910012166. The description for said property is on file in the Big Horn County Clerk's Office as record book SD65, Page 539.

The parcel is located in an area of Big Horn County with no zoning regulations per the Big Horn County Land Use Plan. Therefore, Big Horn County does not have the authority to regulate mining operations.

If you have any questions, please contact our office or the Land Planner at 307-568-2424.

Respectfully,

BIG HORN COUNTY COMMISSIONERS


Jerold S. Ewen, Chairman

Goton Pit Project Description

Big Horn Redi-mix (BHRM) has operated in the Goton Pit since May 2003 when it was permitted (Permit 1237ET) for 3 acres of disturbance by the Wyoming Department of Environmental Quality Land Quality Division (WDEQLQD). Since that time an additional 7 acres have been disturbed for a total of 10 acres of disturbance. BHRM owns the land upon which the land mine is located. There are an additional 4 acres left within this parcel and BHRM is amending its 1237ET permit into a Limited Mining Operations (LMO) Permit with the WDEQLQD to mine this remaining 4 acres. At the time BHRM received the 1237ET Permit an Air Quality Permit for the facility was not required. However, it is one of the requirements for the LMO an application is being submitted.

The Goton Pit is situated in the NENE corner of Section 29, T52N, R93W. As mentioned above BHRM does own the land.

The mine is a small open pit mine consisting of approximately 10-12" of topsoil and 12-15" of overburden. The topsoil is removed with either a front-end loader or Caterpillar D-9 dozer and stockpiled around the perimeter of the mine. In this case, the overburden will be dozed or pushed back into the "mined out" area. The gravel bed ranges from 5 to 7 feet in thickness and is mined by using 980C front-end loaders. The material is fed into a grizzly and then into an El-jay cone crusher set up with three sizes of screens – one for fines, one for product and one for oversize that re-feeds back into the grizzly/crusher. The majority of product is then hauled for use at the BHRM batch plant in Greybull.